

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for deploying digital subscriber line (DSL) service via a combination analog/DSL modem, said method comprising:

receiving a subscriber login request into a network site via an analog modem portion of a combination analog/DSL modem, a DSL portion of said combination analog/DSL modem not being provisioned for DSL service at a time of receipt of said subscriber login request;

requesting said combination analog/DSL modem to provide test results relating to a suitability of a service line used by said subscriber for supporting DSL service; and

provisioning DSL service on said service line if said suitability is determined to support DSL service, said provisioning DSL service comprising a network service provider provisioning a connection from a subscriber's location to a central office and to a service provider's complementary DSL device;

wherein said DSL service is automatically qualified for service to said combination analog/DSL modem.

2. (canceled)

3. (original) The method for DSL service via a combination analog/DSL modem according to claim 1, wherein:

said network site is accessed via a separate connection to an Internet.

4. (original) The method for DSL service via a combination analog/DSL modem according to claim 1, further comprising:

providing at least one of an address and a telephone number to said network site via said analog modem portion of said combination analog/DSL modem.

5. (previously presented) The method for deploying DSL service via a combination analog/DSL modem according to claim 1, further comprising:

performing a measurement of at least one parameter of said service line using said analog modem portion of said combination analog/DSL modem.

6. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring an amplitude of a signal transmitted over said service line.

7. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a return echo over said service line.

8. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a tip voltage of said service line.

9. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a ring voltage of said service line.

10. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a capacitance of said service line.

11. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring an impedance of said service line.

12. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 1, further comprising:

informing said subscriber that DSL service is not available when said service line is determined to not support DSL service.

13. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 12, further comprising:

informing said subscriber of a reason that DSL service is not available.

14. (original) The method for deploying DSL service via a combination analog/DSL modem according to claim 1, further comprising:

selecting a DSL modem portion of said combination analog/DSL modem.

15. (previously presented) The method for deploying DSL service via a combination analog/DSL modem according to claim 14, further comprising:

troubleshooting said installed DSL service by causing said analog modem portion of said combination analog/DSL modem to determine suitability of said service line.

16. (currently amended) A computer program product for deploying digital subscriber line (DSL) services via a combination analog/DSL modem, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including:

program code for logging into a network site via an analog modem portion of a combination analog/DSL modem, a DSL portion of said combination analog/DSL modem not being provisioned for DSL service at a time of said logging into said network ;

program code for providing test results measured from said analog/DSL modem to a DSL service provider, before said DSL portion of said combination analog/DSL modem is provisioned, relating to a suitability of a service line for DSL services; and

program code for receiving provisioned DSL services when said service line is tested to be suitable to support DSL services, said combination analog/DSL modem being automatically switched to use of said DSL portion after said provisioning;

wherein said provisioning comprises a network service provider provisioning a connection from a subscriber's location to a central office and to a service provider's complementary DSL device.

17. (original) The computer program product according to claim 16, further comprising:

program code for accessing said network site via a separate connection to an Internet.

18. (original) The computer program product according to claim 16, further comprising:

program code for providing at least one of an address and a telephone number to said network site via said analog modem portion of said combination analog/DSL modem.

19. (previously presented) The computer program product according to claim 16, further comprising:

program code for directing said analog modem portion of said combination analog/DSL modem to measure at least one parameter of said service line.

20. (original) The computer program product according to claim 19, wherein said at least one parameter comprises:

an amplitude of a signal transmitted over said service line.

21. (original) The computer program product according to claim 19, wherein said at least one parameter comprises:

a return echo over said service line.

22. (original) The computer program product according to claim 19, wherein said at least one parameter comprises:

a tip voltage of said service line.

23. (original) The computer program product according to claim 19, wherein said at least one parameter comprises:

a ring voltage of said service line.

24. (original) The computer program product according to claim 19, wherein said at least one parameter comprises:

a capacitance of said service line.

25. (original) The computer program product according to claim 19, wherein said at least one parameter comprises:
an impedance of said service line.

26. (original) The computer program product according to claim 16, further comprising:

program code for selecting a DSL modem portion of said combination analog/DSL modem.

27. (currently amended) A combination analog/DSL modem comprising:

an analog modem module adaptively connected to said combination analog/DSL modem;

a DSL modem module adaptively connected to said combination analog/DSL modem;

a parameter test module in said combination analog/DSL modem, said parameter test module being adapted to measure at least one parameter of a service line; and

a parameter reference module adaptively connected to said combination analog/DSL modem adapted to correlate said measurement by said parameter test module to a suitability for supporting services via said DSL modem module, and to instruct a service provider to attempt automatic provisioning of DSL service on said service line if said suitability is determined to support DSL service, said provisioning of DSL service comprising a network service provider provisioning a connection from a subscriber's location to a central office and to a service provider's complementary DSL device;

wherein said combination analog/DSL modem supports analog service to a subscriber and DSL service to said subscriber.

28. (original) The combination analog/DSL modem of claim 27, wherein:

said parameter test module is adapted to measure an amplitude of a signal transmitted over said service line.

29. (original) The combination analog/DSL modem of claim 27, wherein:

said parameter test module is adapted to measure a return echo over said service line.

30. (original) The combination analog/DSL modem of claim 27, wherein:

said parameter test module is adapted to measure a tip voltage of said service line.

31. (original) The combination analog/DSL modem of claim 27, wherein:

said parameter test module is adapted to measure a ring voltage of said service line.

32. (original) The combination analog/DSL modem of claim 27, wherein:

said parameter test module is adapted to measure a capacitance of said service line.

33. (original) The combination analog/DSL modem of claim 27, wherein:

said parameter test module is adapted to measure an impedance of said service line.